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### 1 [Hiding complexity and heterogeneity of the physical world in smart living environments](#)

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Thierry Bodhuin, Gerardo Canfora, Rosa Preziosi, Maria Tortorella

April 2006 SAC '06: Proceedings of the 2006 ACM symposium on Applied computing

Publisher: ACM

 Full text available: [pdf\(290.47 KB\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Continuous technological advances lead to computerize all the electronic devices and connect them in a network, so that in the future physical and virtual worlds will be integrated and interoperate each other at the point that browsing the reality will ...

Keywords: coordination mechanisms, devices virtualization, entity description graph, physical concepts, virtual world

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### 2 [Multi-user interaction using handheld projectors](#)

Xiang Cao, Clifton Forlines, Ravin Balakrishnan

October 2007 UI ST '07: Proceedings of the 20th annual ACM symposium on User interface software and technology

Publisher: ACM

 Full text available: [pdf\(2.73 MB\)](#) [wmv\(6.8 Min\)](#)

 Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recent research on handheld projector interaction has expanded the display and interaction space of handheld devices by projecting information onto the physical environment around the user, but has mainly focused on single-user scenarios. We extend this ...

Keywords: handheld projector, multi-user interaction

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### 3 [User interfaces for privacy agents](#)

Lorrie Faith Cranor, Praveen Guduru, Manjula Arjula

June 2006 ACM Transactions on Computer-Human Interaction (TOCHI).

Volume 13 Issue 2

Publisher: ACM

Full text available:  pdf(1.82 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Most people do not often read privacy policies because they tend to be long and difficult to understand. The Platform for Privacy Preferences (P3P) addresses this problem by providing a standard machine-readable format for website privacy policies. P3P ...

Keyw ords: P3P, preferences, privacy, privacy enhancing technology, privacy policy, user agent


#### 4 [Privacy through pseudonymity in user-adaptive systems](#)



Alfred Kobsa, Jörg Schreck

May 2003 ACM Transactions on Internet Technology (TOIT). Volume 3 Issue 2

Publisher: ACM

Full text available:  pdf(881.69 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

User-adaptive applications cater to the needs of each individual computer user, taking for example users' interests, level of expertise, preferences, perceptual and motoric abilities, and the usage environment into account. Central user modeling servers ...

Keywords: Chaum mix, KQML, User modeling, access control, anonymity, encryption, personal information, personalization, privacy, pseudonymity, reference model, secrecy, security, user-adaptive systems


#### 5 [802.11 user fingerprinting](#)



Jeffrey Pang, Ben Greenstein, Ramakrishna Gummadi, Srinivasan Seshan, David Wetherall

September 2007 MobiCom '07: Proceedings of the 13th annual ACM international conference on Mobile computing and networking

Publisher: ACM

Full text available:  pdf(498.09 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The ubiquity of 802.11 devices and networks enables anyone to track our every move with alarming ease. Each 802.11 device transmits a globally unique and persistent MAC address and thus is trivially identifiable. In response, recent research has proposed ...

Keywords: 802.11, anonymity, privacy, wireless

#### 6 [A new privacy model for hiding group interests while accessing the Web](#)



Yuval Elovici, Bracha Shapira, Adlai Maschiach

November 2002 WPES '02: Proceedings of the 2002 ACM workshop on Privacy in the Electronic Society

Publisher: ACM

Full text available:  pdf(104.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a new privacy model for hiding the information interests of a homogenous group of users who share a local area network and an access point to the Web. The suggested model is aimed at preventing eavesdroppers from using identifiable ...


Keywords: Web-security, privacy, user-groups, user-profile

## 7 [Distributed proxies for browsing privacy: a simulation of flocks](#)

Martin S. Olivier

July 2005 SAI CSIT '05: Proceedings of the 2005 annual research conference of the South African institute of computer scientists and information technologists on IT research in developing countries

Publisher: South African Institute for Computer Scientists and Information Technologists

Full text available:  [pdf\(134.83 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In previous work we introduced an anonymising proxy scheme --- called Flocks --- to be used for browsing privacy. Flocks is similar to Crowds in that each proxy randomly decides whether to forward any request it receives to the destination Web server, ...

Keywords: personal privacy, privacy architecture, privacy-enhancing technologies


## 8 [Design issues for general-purpose adaptive hypermedia systems](#)



Hongjing Wu, Erik de Kort, Paul De Bra

September 2001 HYPERTEXT '01: Proceedings of the twelfth ACM conference on Hypertext and Hypermedia

Publisher: ACM

Full text available:  [pdf\(290.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

A hypermedia application offers its users much freedom to navigate through a large hyperspace. For authors finding a good compromise between offering navigational freedom and offering guidance is difficult, especially in applications that target a broad ...

Keywords: active databases, adaptation rules, adaptive hypermedia, confluence, termination, user modeling


## 9 [Password management strategies for online accounts](#)



Shirley Gaw, Edward W. Felten

July 2006 SOUPS '06: Proceedings of the second symposium on Usable privacy and security

Publisher: ACM

Full text available:  [pdf\(190.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Given the widespread use of password authentication in online correspondence, subscription services, and shopping, there is growing concern about identity theft. When people reuse their passwords across multiple accounts, they increase their vulnerability; ...

Keywords: password, password management, password reuse, security, survey, user behavior

## 10 [WebSplitter: a unified XML framework for multi-device collaborative Web](#)

browsing

Richard Han, Veronique Perret, Mahmoud Naghshineh  
December 2000 CSCW '00: Proceedings of the 2000 ACM conference on  
Computer supported cooperative work

Publisher: ACM

Full text available: pdf(200.60 KB) Additional Information: full citation, abstract, references,  
cited by, index terms

WebSplitter symbolizes the union of pervasive multi-device computing and collaborative multi-user computing. WebSplitter provides a unified XML framework that enables multi-device and multi-user Web browsing. WebSplitter splits a requested Web page and ...

Keywords: PDA, XML, co-browsing, collaboration, groupware, middleware, multi-device, partial view, pervasive, proxy, remote control, service discovery, wireless

11 Privacy-enhancing personalized web search

Yabo Xu, Ke Wang, Benyu Zhang, Zheng Chen  
May 2007 WWW '07: Proceedings of the 16th international conference on World Wide Web

Publisher: ACM

Full text available: pdf(310.76 KB) Additional Information: full citation, abstract, references,  
index terms

Personalized web search is a promising way to improve search quality by customizing search results for people with individual information goals. However, users are uncomfortable with exposing private preference information to search engines. On the other ...

Keywords: hierarchical user profile, personalized search, privacy

12 Privacy in browser-based attribute exchange

Birgit Pfitzmann, Michael Waidner  
November 2002 WPES '02: Proceedings of the 2002 ACM workshop on Privacy in the Electronic Society

Publisher: ACM

Full text available: pdf(168.95 KB) Additional Information: full citation, abstract, references,  
cited by, index terms


Browser-based attribute-exchange protocols enable users of normal web browsers to conveniently send attributes, such as authentication or demographic data, to web sites. Such protocols might become very common and almost mandatory in general consumer ...

Keywords: BBAE, Liberty, Passport, SAML, Shibboleth, attribute-exchange, e-Community Single Signon, identity management, privacy, roles, security, single signon, traffic data, wallet, web browser

13 Privacy protection without impairing personalization by using the extended system MASKS and the extended contextualized P3P privacy policies

Robson Eduardo De Grande, Sérgio Donizetti Zorzo  
November 2006 WebMedia '06: Proceedings of the 12th Brazilian symposium on Multimedia and the web

Publisher: ACM

Full text available:  pdf(486.92 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#),  
[index terms](#)

Current privacy protection mechanisms are limited to provide privacy guarantees for Web data gathering. MASKS system provides user's anonymity and allowance for implicit data collection, although it lacks security for collecting explicit data. It does ...


**Keywords:** navigation, personalization, privacy, user, web

#### 14 [Model-driven development of context-aware Web applications](#)



Stefano Ceri, Florian Daniel, Maristella Matera, Federico M. Facca  
February 2007 ACM Transactions on Internet Technology (TOIT). Volume 7  
Issue 1

Publisher: ACM

Full text available:  pdf(478.25 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#),  
[index terms](#)

Context-aware, multi-channel Web applications are more and more gaining consensus among both content providers and consumers, but very few proposals exist for their conceptual modeling. This article illustrates a conceptual framework that provides modeling ...


**Keywords:** Context, WebML, adaptive hypertext, conceptual modeling, context-aware Web applications, context-awareness

#### 15 [SmokeScreen: flexible privacy controls for presence-sharing](#)



Landon P. Cox, Angela Dalton, Varun Marupadi  
June 2007 MobiSys '07: Proceedings of the 5th international conference on Mobile systems, applications and services

Publisher: ACM

Full text available:  pdf(321.42 KB) **Additional Information:** [full citation](#), [abstract](#), [references](#),  
[index terms](#)



Presence-sharing is an emerging platform for mobile applications, but presence-privacy remains a challenge. Privacy controls must be flexible enough to allow sharing between both trusted social relations and untrusted strangers. In this paper, we present ...

**Keywords:** location privacy, mobile computing, pervasive computing, presence-sharing, social networks

#### 16 [Schematic storyboarding for video visualization and editing](#)



Dan B Goldman, Brian Curless, David Salesin, Steven M. Seitz  
July 2006 SIGGRAPH '06: ACM SIGGRAPH 2006 Papers  
Publisher: ACM


Full text available:  pdf(954.73 KB)  mov(21.36 MIN) **Additional Information:** [full citation](#),  
[abstract](#),  
[references](#),  
[index terms](#)

We present a method for visualizing short video clips in a single static image, using the visual language of storyboards. These *schematic storyboards* are composed from multiple input frames and annotated using outlines, arrows,



and text describing ...

**Keywords:** storyboards, video editing, video interaction, video summarization, video visualization

# 17 Schematic storyboarding for video visualization and editing

 Dan B Goldman, Brian Curless, David Salesin, Steven M. Seitz  
July 2006 ACM Transactions on Graphics (TOG), Volume 25 Issue 3  
Publisher: ACM

**Additional Information:** [full citation](#),


Full text available:  [pdf\(954.73 KB\)](#)  [mov\(21:36 MIN\)](#)

[abstract](#),  
[references](#),  
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We present a method for visualizing short video clips in a single static image, using the visual language of storyboards. These *schematic storyboards* are composed from multiple input frames and annotated using outlines, arrows, and text describing ...

**Keywords:** storyboards, video editing, video interaction, video summarization, video visualization

# 18 Intentional access management: making access control usable for end-users


 Xiang Cao, Lee Iverson  
July 2006 SOUPS '06: Proceedings of the second symposium on Usable privacy and security  
Publisher: ACM


Full text available:  [pdf\(530.92 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#),  
[index terms](#)

The usability of access control mechanisms in modern distributed systems has been widely criticized but little studied. In this paper, we carefully examine one such widely deployed access control mechanism, the one embedded in the WebDAV standard, from ...

**Keywords:** WebDAV, access control, intentional access management, usability

# 19 VideoQA: question answering on news video

 Hui Yang, Lekha Chaisorn, Yunlong Zhao, Shi-Yong Neo, Tat-Seng Chua  
November 2003 MULTIMEDIA '03: Proceedings of the eleventh ACM international conference on Multimedia  
Publisher: ACM

Full text available:  [pdf\(592.26 KB\)](#) **Additional Information:** [full citation](#), [abstract](#), [references](#),  
[cited by](#), [index terms](#)

When querying a news video archive, the users are interested in retrieving precise answers in the form of a summary that best answers the query. However, current video retrieval systems, including the search engines on the web, are designed to retrieve ...

**Keywords:** transcript error correction, video question answering, video retrieval, video summarization

## 20 Crowds: anonymity for Web transactions



Michael K. Reiter, Aviel D. Rubin

November 1998 ACM Transactions on Information and System Security  
(TISSEC), Volume 1 Issue 1

Publisher: ACM

Full text available: pdf(2.45 MB) Additional Information: full citation, abstract, references, cited  
by, index terms, review

In this paper we introduce a system called Crowds for protecting users' anonymity on the world-wide-web. Crowds, named for the notion of "blending into a crowd," operates by grouping users into a large and geographically diverse group (crowd) ...

Keywords: anonymous communication, world-wide-web

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